OM protein - protein search, using sw model

Run on: October 26, 2001, 17:50:50 ; Search time 21.75 Seconds
(without alignments)
199.750 Million cell updates/sec

Title: US-09-494-585-2
Perfect score: 1118
Sequence: 1 MAPLAEVGGPLGGLEGLGQQ.....PRPVDPERVPELYKDLLMYT 211

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590846 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/1/ina/5A_Main.pep *
2: /cgn2_6/ptodata/1/ina/5B_COMB.pep *
3: /cgn2_6/ptodata/1/ina/5A_COMB.pep *
4: /cgn2_6/ptodata/1/ina/5B_Main.pep *
5: /cgn2_6/ptodata/1/pubaa/US_PUBS.pep *
6: /cgn2_6/ptodata/1/ina/backfile1.pep *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	774.5	69.3	208	1	US-08-340-820-3	Sequence 3, Appli
2	774.5	69.3	208	1	US-08-340-820-9	Sequence 9, Appli
3	774.5	69.3	208	1	US-08-340-820-25	Sequence 25, Appl
4	774.5	69.3	208	1	US-08-172-328-3	Sequence 3, Appli
5	774.5	69.3	208	1	US-08-593-535-3	Sequence 3, Appli
6	774.5	69.3	208	1	US-08-593-535-9	Sequence 9, Appli
7	774.5	69.3	208	1	US-08-593-535-25	Sequence 25, Appl
8	774.5	69.3	208	1	US-08-139-725A-7	Sequence 7, Appli
9	774.5	69.3	208	1	US-08-462-169B-17	Sequence 17, Appl
10	774.5	69.3	208	2	US-08-207-412B-13	Sequence 13, Appl
11	774.5	69.3	208	2	US-08-867-471-7	Sequence 7, Appli
12	774.5	69.3	208	2	US-08-438-439C-12	Sequence 12, Appl
13	774.5	69.3	208	2	US-08-951-822-34	Sequence 34, Appl
14	774.5	69.3	208	2	US-08-943-915-3	Sequence 3, Appli
15	774.5	69.3	208	3	US-09-103-079-17	Sequence 17, Appl
16	774.5	69.3	208	3	US-08-705-245-7	Sequence 7, Appli
17	774.5	69.3	208	3	US-08-718-904-18	Sequence 18, Appl
18	774.5	69.3	208	3	US-09-023-082A-18	Sequence 18, Appl
19	769.5	68.8	207	1	US-08-340-820-2	Sequence 2, Appli
20	769.5	68.8	207	1	US-08-172-328-2	Sequence 2, Appli
21	769.5	68.8	207	1	US-08-593-535-2	Sequence 2, Appli
22	769.5	68.8	208	1	US-08-464-590A-10	Sequence 10, Appl
23	769.5	68.8	208	2	US-09-093-595-10	Sequence 10, Appl
24	758.5	67.8	205	1	US-08-340-820-5	Sequence 5, Appli
25	758.5	67.8	205	1	US-08-172-328-4	Sequence 4, Appli
26	758.5	67.8	205	1	US-08-593-535-5	Sequence 5, Appli
27	758.5	67.8	206	1	US-08-340-820-7	Sequence 7, Appli
28	758.5	67.8	206	1	US-08-340-820-8	Sequence 8, Appli
29	758.5	67.8	206	1	US-08-172-328-5	Sequence 5, Appli
30	758.5	67.8	206	1	US-08-593-535-7	Sequence 7, Appli
31	758.5	67.8	206	1	US-08-593-535-8	Sequence 8, Appli
32	742	66.4	175	1	US-08-172-328-6	Sequence 6, Appli
33	742	66.4	176	1	US-08-172-328-7	Sequence 7, Appli
34	742	66.4	177	1	US-08-340-820-4	Sequence 4, Appli
35	742	66.4	177	1	US-08-593-535-4	Sequence 4, Appli
36	742	66.4	178	1	US-08-340-820-6	Sequence 6, Appli
37	742	66.4	178	1	US-08-593-535-6	Sequence 6, Appli
38	729	65.2	159	1	US-08-172-328-8	Sequence 8, Appli
39	729	65.2	160	1	US-08-172-328-9	Sequence 9, Appli
40	710.5	63.6	193	2	US-08-438-439C-21	Sequence 21, Appl
41	708.5	63.4	207	2	US-08-943-915-5	Sequence 5, Appli
42	705.5	63.1	207	2	US-08-943-915-2	Sequence 2, Appli
43	702.5	62.8	190	1	US-08-441-629-16	Sequence 16, Appl
44	702.5	62.8	190	3	US-08-776-207-16	Sequence 16, Appl
45	702.5	62.8	190	5	PCT-US95-09172-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-08-340-820-3
; Sequence 3, Application US/08340820
; Patent No. 5512460
; GENERAL INFORMATION:
; APPLICANT: NARDO, Ken-ichi
; APPLICANT: SEKO, Chisako
; APPLICANT: KUROKAWA, Tsutomu
; APPLICANT: KENJO, Tatsuya
; TITLE OF INVENTION: CD1A ACTIVATING FACTOR AND ITS
; TITLE OF INVENTION: PRODUCTION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
; ADDRESSEE: CUSHMAN
; STREET: 130 Water Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,820
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/835,713
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CONLIN, David G.
; REGISTRATION NUMBER: 27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)523-3400
; TELEFAX: (617)523-6440
; TELEX: 200291 STRE UR
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 208 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-340-820-3

Query Match 69.3%; Score 774.5; DB 1; Length 208;
Best Local Similarity 70.6%; Pred. No. 1.8e-79;

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  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy        1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
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Db        1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV  DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy       58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
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Db       55 DHLKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy      118 YLGMNDKGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRD 177
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Db      115 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy      178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
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Db      175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205
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RESULT 2
US-08-340-820-9
; Sequence 9, Application US/08340820
; Patent No. 5512460
; GENERAL INFORMATION:
; APPLICANT: NARUO, Ken-ichi
; APPLICANT: SEKO, Chisako
; APPLICANT: KUROKAWA, Tsutomu
; APPLICANT: KONDO, Tatsuya
; TITLE OF INVENTION: GLIA ACTIVATING FACTOR AND ITS
; TITLE OF INVENTION: PRODUCTION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
; ADDRESSEE: CUSHMAN
; STREET: 130 Water Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,820
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/835,713
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CONLIN, David G.
; REGISTRATION NUMBER: 27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)523-3400
; TELEFAX: (617)523-6440
; TELEX: 200291 STRE UR
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 208 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-340-820-9

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  Query Match             69.3%;  Score 774.5;  DB 1;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    5;  Gaps    4;

Qy        1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
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Db        1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV  DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy       53 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
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Db       55 DHLKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy      118 YLGMNDKGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRD 177
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Db      115 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy      178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
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Db      175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205
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RESULT 3
US-08-340-820-25
; Sequence 25, Application US/08340820
; Patent No. 5512460
; GENERAL INFORMATION:
; APPLICANT: NARUO, Ken-ichi
; APPLICANT: SEKO, Chisako
; APPLICANT: KUROKAWA, Tsutomu
; APPLICANT: KONDO, Tatsuya
; TITLE OF INVENTION: GLIA ACTIVATING FACTOR AND ITS
; TITLE OF INVENTION: PRODUCTION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
; ADDRESSEE: CUSHMAN
; STREET: 130 Water Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,820
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/835,713
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CONLIN, David G.
; REGISTRATION NUMBER: 27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)523-3400
; TELEFAX: (617)523-6440
; TELEX: 200291 STRE UR
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 208 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; HAPLOTYPE: 2n
; TISSUE TYPE: skin
; CELL TYPE: fibroblast
; IMMEDIATE SOURCE:
; LIBRARY: Human foreskin cDNA library
; CLONE: pGAF1
US-08-340-820-25

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  Query Match             69.3%;  Score 774.5;  DB 1;  Length 208;
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  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy        1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
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Db        1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV--DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy       58 AHLHGTLRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
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Qy      118 YLGMNEKGELYGSEKLTSECIFREQFEENWYNTYSSNLYKHVDTGRRYFVALNKDGTPRE 177
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Db      115 YLGMNEKGSLYGSDKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYFVALNKDGTPRE 174

Qy      178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
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Db      175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205


RESULT   4
US-08-172,328-3
; Sequence 3, Application US/08172328
; Patent No. 5571895
;  GENERAL INFORMATION:
;    APPLICANT:  KUROKAWA, Tsutomu
;    APPLICANT:  KUROSHIMA, Ken-ichi
;    APPLICANT:  YOSHITOMI, Sumio
;    APPLICANT:  SEKO, Sachiko
;    TITLE OF INVENTION:  ANTIBODIES, POLYPEPTIDES, PRODUCTION AND
;    TITLE OF INVENTION:  USE THEREOF
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS &
;      ADDRESSEE:  CUSHMAN
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  US
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/172,328
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  NEUNER, George W
;      REGISTRATION NUMBER:  26964
;      REFERENCE/DOCKET NUMBER:  26964
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)523-3400
;      TELEFAX:  (617)523-6440
;      TELEX:  200291 STRE UR
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  208 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      HAPLOTYPE:  2n
;      TISSUE TYPE:  Skin
;      CELL TYPE:  Fibroblast
;    IMMEDIATE SOURCE:
;      LIBRARY:  Human foreskin cDNA library
;      CLONE:  pGAF1
US-08-172,328-3

  Query Match             69.3%;  Score 774.5;  DB 1;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy        1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
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Db        1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV--DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy       58 AHLHGTLRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
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Db       55 DHLKGTLRRRQLYCRTGFHLEIFPNGTIQGTRKDHSKFGILEFISIAVGLVSIRGVDSGL 114

Qy      118 YLGMNEKGELYGSEKLTSECIFREQFEENWYNTYSSNLYKHVDTGRRYFVALNKDGTPRE 177
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Db      115 YLGMNEKGSLYGSDKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYFVALNKDGTPRE 174

Qy      178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
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Db      175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205


RESULT   5
US-08-593-535-3
; Sequence 3, Application US/08593535
; Patent No. 5622928
;  GENERAL INFORMATION:
;    APPLICANT:  NARUO, Ken-ichi
;    APPLICANT:  SEKO, Chisako
;    APPLICANT:  KUROKAWA, Tsutomu
;    APPLICANT:  KONDO, Tatsuya
;    TITLE OF INVENTION:  GLIA ACTIVATING FACTOR AND ITS
;    TITLE OF INVENTION:  PRODUCTION
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS &
;      ADDRESSEE:  CUSHMAN
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  US
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/593,535
;      FILING DATE:  24-JAN-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/835,713
;      FILING DATE:  12-FEB-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  CONLIN, David G.
;      REGISTRATION NUMBER:  27026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)523-3400
;      TELEFAX:  (617)523-6440
;      TELEX:  200291 STRE UR
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  208 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-593-535-3

  Query Match             69.3%;  Score 774.5;  DB 1;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
```

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  Matches  149;  Conservative   23;  Mismatches   30,  Indels    9,  Gaps    4;

Qy       1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
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Db       1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV--DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy      58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
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Db      55 DHLKGILRRRQLYCKTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy     118 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRD 177
           |||||:|||||||||| ||:|||||||||||||||:||| ||||||:||||||||:
Db     115 YLGMNEKGELYGSEKITQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy     178 GARSKRHQKFTHFLPRPVDPDKVPELYKDLL 208
           | |:|||||||||||||||::|||||||:|
Db     175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205


RESULT   6
US-08-593-535-9
; Sequence 9, Application US/08593535
; Patent No. 5622928
;  GENERAL INFORMATION:
;    APPLICANT:  NARUO, Ken-ichi
;    APPLICANT:  SEKO, Chisako
;    APPLICANT:  KUROKAWA, Tsutomu
;    APPLICANT:  KONDO, Tatsuya
;    TITLE OF INVENTION:  GLIA ACTIVATING FACTOR AND ITS
;    TITLE OF INVENTION:  PRODUCTION
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
;      ADDRESSEE:  CUSHMAN
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  US
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/593,535
;      FILING DATE:  24-JAN-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/835,713
;      FILING DATE:  12-FEB-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  CONLIN, David G.
;      REGISTRATION NUMBER:  27026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)523-3400
;      TELEFAX:  (617)523-6440
;      TELEX:  200291 STRE UR
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  208 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-593-535-9


  Query Match             69.3%;  Score 774.5;  DB 1;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30,  Indels    9;  Gaps    4;

Qy       1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
           |||| ||| : |  : :    |:  :||   : | || :   :|  | |   ||    |
Db       1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV--DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy      58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
           || |||||||||||||||:| |:|::||||:||| ||||||||:|||||||||||||||
Db      55 DHLKGILRRRQLYCKTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy     118 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRD 177
           |||||:|||||||||| ||:|||||||||||||||:||| ||||||:||||||||:
Db     115 YLGMNEKGELYGSEKITQECVFREQFEENWYNTYSSNLYEHVDTGRRYYVALNRDGTPRE 174

Qy     178 GARSKRHQKFTHFLPRPVDPDKVPELYKDLL 208
           | |:|||||||||||||||::|||||||:|
Db     175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205


RESULT   7
US-08-593-535-25
; Sequence 25, Application US/08593535
; Patent No. 5622928
;  GENERAL INFORMATION:
;    APPLICANT:  NARUO, Ken-ichi
;    APPLICANT:  SEKO, Chisako
;    APPLICANT:  KUROKAWA, Tsutomu
;    APPLICANT:  KONDO, Tatsuya
;    TITLE OF INVENTION:  GLIA ACTIVATING FACTOR AND ITS
;    TITLE OF INVENTION:  PRODUCTION
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
;      ADDRESSEE:  CUSHMAN
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  US
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/593,535
;      FILING DATE:  24-JAN-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/835,713
;      FILING DATE:  12-FEB-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  CONLIN, David G.
;      REGISTRATION NUMBER:  27026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)523-3400
;      TELEFAX:  (617)523-6440
;      TELEX:  200291 STRE UR
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  208 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      HAPLOTYPE:  2n
;      TISSUE TYPE:  skin
;      CELL TYPE:  fibroblast
;    IMMEDIATE SOURCE:
;      LIBRARY:  Human foreskin cDNA library
;      CLONE:  pGAF1
US-08-593-535-25


  Query Match             69.3%;  Score 774.5;  DB 1;  Length 208;
```

Best Local Similarity 70.6%; Pred. No. 1.8e-79;
Matches 149; Conservative 23; Mismatches 30; Indels 9; Gaps 4;

Qy 1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
Db 1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV--DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy 58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
Db 55 DHLKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy 118 YLGMNDKGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRD 177
Db 115 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy 178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
Db 175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205

RESULT 8
US-08-439-725A-7
; Sequence 7, Application US/08439725A
; Patent No. 5693775
; GENERAL INFORMATION:
; APPLICANT: Nathans, Jeremy
; APPLICANT: Smallwood, Philip M.
; APPLICANT: Macke, Jennifer P.
; TITLE OF INVENTION: FIBROBROBLAST GROWTH FACTOR HOMOLOGOUS
; TITLE OF INVENTION: FACTOR 1 (FHF-1) AND METHODS OF USE
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/439,725A
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Baile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/047001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 208 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-439-725A-7

Query Match 69.3%; Score 774.5; DB 1; Length 208;
Best Local Similarity 70.6%; Pred. No. 1.8e-79;
Matches 149; Conservative 23; Mismatches 30; Indels 9; Gaps 4;

Qy 1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
Db 1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV--DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy 58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
Db 55 DHLKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy 118 YLGMNDKGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRD 177
Db 115 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy 178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
Db 175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205

RESULT 9
US-08-462-169B-17
; Sequence 17, Application 08/462169B
; Patent No. 5773252
; GENERAL INFORMATION:
; APPLICANT: John Greene and Craig A. Rosen
; TITLE OF INVENTION: Fibroblast Growth Factor-15
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,169B
; FILING DATE: 05 JUN 95
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 125800 441 (PF203)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 208 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-462-169B-17

Query Match 69.3%; Score 774.5; DB 1; Length 208;
Best Local Similarity 70.6%; Pred. No. 1.8e-79;
Matches 149; Conservative 23; Mismatches 30; Indels 9; Gaps 4;

Qy 1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
Db 1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV--DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy 58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
Db 55 DHLKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy 118 YLGMNDKGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRD 177
Db 115 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy 178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
Db 175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205

```
RESULT  10
US-08-207-412B-13
; Sequence 13, Application US/08207412B
; Patent No. 5817485
;  GENERAL INFORMATION:
;     APPLICANT:  Hu, Jing-Shan
;     TITLE OF INVENTION:  Fibroblast Growth Factor-10
;     NUMBER OF SEQUENCES:  15
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Carella, Byrne, Bain, Gilfillan, Cecchi,
;       ADDRESSEE:  Stewart & Olstein
;       STREET:  6 Becker Farm Road
;       CITY:  Roseland
;       STATE:  NJ
;       COUNTRY:  USA
;       ZIP:  07068-1739
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/207,412B
;       FILING DATE:  08-MAR-1994
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Ferraro, Gregory D
;       REGISTRATION NUMBER:  36,134
;       REFERENCE/DOCKET NUMBER:  350300-150
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  201-994-1700
;       TELEFAX:  201-994-1744
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  208 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-207-412B-13

  Query Match             69.3%;  Score 774.5;  DB 2;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy       1 MAPLAEVGGFLGGLECLGQQVGSHFLLPPAGERPPLLGERESAAEESARG-  GFGAAQL 57
           |||| ||| : |  : :   |:  :||   : | || :   :|  | |   ||   |
Db       1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV- DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy      58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
             || ||||||||||||||||:| |:|::||||:||| ||||||||:|||||||||||||
Db      55 DHLKGILRRRQLYCKIGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy     118 YLGMNDKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHGDTGRRYFVALNKDGTPRD 177
           |||||:|||||||||||| ||:|||||||||||||||||:||| ||||||:||||||||:
Db     115 YLGMNEKGELYGSEKLTQFCVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy     178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
           | |:||||||||||||||||:|||||||:|
Db     175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205


RESULT  11
US-08-867-471-7
; Sequence 7, Application US/08867471
; Patent No. 5872226
;  GENERAL INFORMATION:
;     APPLICANT:  Nathans, Jeremy
;     APPLICANT:  Smallwood, Phillip M.
;     APPLICANT:  Macke, Jennifer P.
;     TITLE OF INVENTION:  FIBROBROBLAST GROWTH FACTOR HOMOLOGOUS
;     TITLE OF INVENTION:  FACTOR-1 (FHF-1) AND METHODS OF USE
;     NUMBER OF SEQUENCES:  15
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Fish & Richardson P.C.
;       STREET:  4225 Executive Square, Suite 1400
;       CITY:  La Jolla
;       STATE:  CA
;       COUNTRY:  USA
;       ZIP:  92037
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/867,471
;       FILING DATE:  02-JUN-1997
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/439,725
;       FILING DATE:  12-MAY-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Haile, Lisa A.
;       REGISTRATION NUMBER:  38,347
;       REFERENCE/DOCKET NUMBER:  07265/047001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619/678-5070
;       TELEFAX:  617/678 5099
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  208 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  not relevant
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-867-471-7


  Query Match             69.3%;  Score 774.5;  DB 2;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy       1 MAPLAEVGGFLGGLECLGQQVGSHFLLPPAGERPPLLGERESAAEESARG-  GFGAAQL 57
           |||| ||| : |  : :   |:  :||   : | || :   :|  | |   ||   |
Db       1 MAPLGEVGNYFGVQDAV--PFGNVPVLPV- DSPVLLSDHLGQSE--AGGLPRGPAVTDL 54

Qy      58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
             || ||||||||||||||||:| |:|::||||:||| ||||||||:|||||||||||||
Db      55 DHLKGILRRRQLYCKIGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy     118 YLGMNDKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHGDTGRRYFVALNKDGTPRD 177
           |||||:|||||||||||| ||:|||||||||||||||||:||| ||||||:||||||||:
Db     115 YLGMNEKGELYGSEKLTQFCVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

Qy     178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
           | |:||||||||||||||||:|||||||:|
Db     175 GTRTKRHQKFTHFLPRPVDPDKVPELYKDIL 205


RESULT  12
US-08-438-439C-12
; Sequence 12, Application US/08438439C
; Patent No. 5876967
;  GENERAL INFORMATION:
;     APPLICANT:  Nathans, Jeremy
;     APPLICANT:  Smallwood, Phillip M.
;     APPLICANT:  Macke, Jennifer P.
;     TITLE OF INVENTION:  FIBROBROBLAST GROWTH FACTOR HOMOLOGOUS
;     TITLE OF INVENTION:  FACTOR 2 AND METHODS OF USE
;     NUMBER OF SEQUENCES:  25
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Fish & Richardson P.C.
```

```
;       STREET:  4225 Executive Square, Suite 1400
;       CITY:  La Jolla
;       STATE:  CA
;       COUNTRY:  USA
;       ZIP:  92037
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/448,490
;       FILING DATE:  May 12, 1995
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Barte, Lisa A.
;       REGISTRATION NUMBER:  38,847
;       REFERENCE/DOCKET NUMBER:  07268/046001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619/678-5070
;       TELEFAX:  619/678-5099
;   INFORMATION FOR SEQ ID NO:  12:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  208 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  not relevant
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-448-490C-12


  Query Match             69.3%;  Score 774.5;  DB 2;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy       1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
             |||| ||| : |  : :    |:  :||   : | || :    :|  | |   ||    |
Db       1 MAPLGEVGNYFGVQDAV  PFGNVPVLPV--DSPVLLSDHLGQSE---ACGLPRGPAVTDL 54

Qy      58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
           || |||||||||||||||:| |:::|||:||| |||||||:|||||||||||||||
Db      55 DHLRGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy     118 YLGMNEFGELYGSEELTSECTFREQFEENWYNTYSSNIYEHGNTGRRYFVALNKDGTPRD 177
           |||||:|||||||||| ||:|||||||||||||||||||:||| ||||||:||||||||:
Db     115 YLGMNEFGELYGSEELTQECVFREQFEENWYNTYSSNLYEHVDTGRRYYVALNKDGTPRE 174

Qy     178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
           | |:||||||||||||||||::||||||:|
Db     175 GTRTKRHQKFTHFLPRPVDPDKVPELYRDIL 205


RESULT  13
US-08-951-822-34
; Sequence 34, Application US/08951822A
; Patent No. 5989866
; GENERAL INFORMATION:
;  APPLICANT: Deisher, Theresa A.
;  APPLICANT: Conklin, Darrell C.
;  APPLICANT: Raymond, Fenella
;  APPLICANT: Rakewski, Thomas P.
;  APPLICANT: Holderman, Susan D.
;  APPLICANT: Hansen, Birgit
;  APPLICANT: Sheppard, Paul O.
;  TITLE OF INVENTION: NOVEL FGF HOMOLOGS
;  FILE REFERENCE: 96-20
;  CURRENT APPLICATION NUMBER: US/08/951,822A
;  CURRENT FILING DATE: 1997-10-16
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 34
;   LENGTH: 208
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-08-951-822-34


  Query Match             69.3%;  Score 774.5;  DB 2;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy       1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
             |||| ||| : |  : :    |:  :||   : | || :    :|  | |   ||    |
Db       1 MAPLGEVGNYPGVQDAV  PPGNVPVLPV--DSPVLLSDHLGQSE---ACGLPRGPAVTDL 54

Qy      58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
           || |||||||||||||||:| |:::|||:||| |||||||:|||||||||||||||
Db      55 DHLRGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy     118 YLGMNEFGELYGSEELTSECTFREQFEENWYNTYSSNIYEHGNTGRRYFVALNKDGTPRD 177
           |||||:|||||||||| ||:|||||||||||||||||||:||| ||||||:||||||||:
Db     115 YLGMNEFGELYGSEELTQECVFREQFEENWYNTYSSNLYEHVDTGRRYYVALNKDGTPRE 174

Qy     178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
           | |:||||||||||||||||::||||||:|
Db     175 GTRTKRHQKFTHFLPRPVDPDKVPELYRDIL 205


RESULT  14
US-08-943-915-3
; Sequence 3, Application US/08943915
; Patent No. 5998170
;  GENERAL INFORMATION:
;    APPLICANT:  Itoh, No. 5998170uyuki
;    APPLICANT:  Martin, Frank
;    APPLICANT:  Danilenko, Dimitry
;    TITLE OF INVENTION:  A FIBROBLAST GROWTH FACTOR
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Amgen Inc.
;      STREET:  1840 Dehavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/943,915
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Mazza, Richard J.
;      REGISTRATION NUMBER:  27,657
;      REFERENCE/DOCKET NUMBER:  A-469
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  805.447.4212
;      TELEFAX:  805.447.1090
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  208 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-943-915-3


  Query Match             69.3%;  Score 774.5;  DB 2;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  149;  Conservative   23;  Mismatches   30;  Indels    9;  Gaps    4;

Qy       1 MAPLAEVGGFLGGLEGLGQQVGSHFLLPPAGERPPLLGERRSAAERSARG---GPGAAQL 57
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           |||| ||| : |  : :    |:  :||   : | || :    :|  | |   ||    |
Db       1 MAPLGDVGSYPGVQDAV  PFGNVPVLPV- DSPVLLSDHLGQSE  AGGLPRGPAVTDL 54

Qy      58 AHLHGILRRRQLYCRTGFHLQILPDGSVQGTRQDHSLFGILEFISVAVGLVSIRGVDSGL 117
             || ||||||||||||||||:| |:|::||||:||| |||||||:|||||||||||||
Db      55 DHLKGILRRRQLYCRTGFHLEIFPNGTIQGTRKDHSRFGILEFISIAVGLVSIRGVDSGL 114

Qy     118 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 177
           ||||:|||||||||| ||:|||||||||||||||:||| ||||||:||||||||:
Db     115 YLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTPRE 174

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RESULT 15
US-09-103-079-17
; Sequence 17, Application US/09103079A
; Patent No. 6013477
; GENERAL INFORMATION:
;  APPLICANT: Greene, John M.
;  APPLICANT: Rosen, Craig A.
;  TITLE OF INVENTION: Fibroblast Growth Factor 15
;  FILE REFERENCE: PF203D1
;  CURRENT APPLICATION NUMBER: US/09/103,079A
;  CURRENT FILING DATE: 1998-06-23
;  EARLIER APPLICATION NUMBER: 08/462,169
;  EARLIER FILING DATE: 1995-06-05
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
;   LENGTH: 208
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-103-079-17


  Query Match             69.3%;  Score 774.5;  DB 3;  Length 208;
  Best Local Similarity   70.6%;  Pred. No. 1.8e-79;
  Matches  119;  Conservative   23;  Mismatches   30;  Indels    3;  Gaps    4;

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Qy     178 GARSKRHQKFTHFLPRPVDPERVPELYKDLL 208
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Search completed: October 26, 2001, 18:35:19
Job time: 2669 sec
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